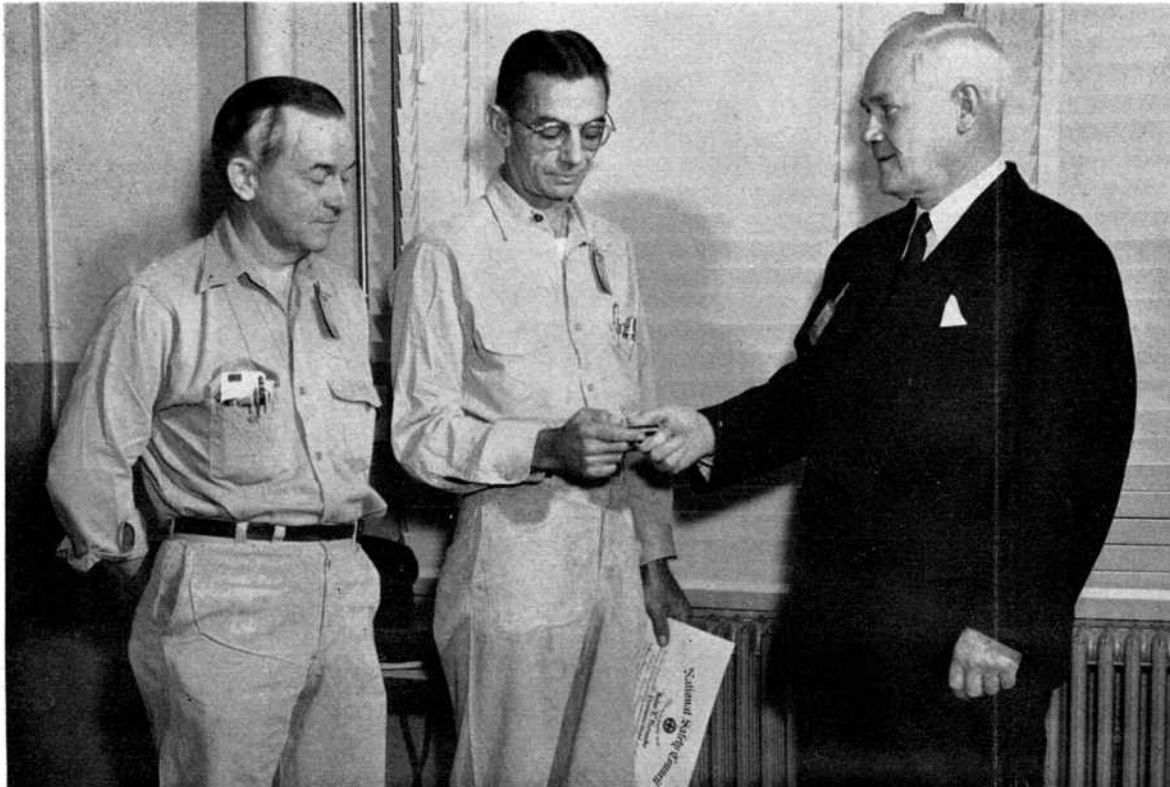


Y-12 MAN GETS NSC LIFE SAVING AWARD

★ ★ ★ ★ ★



DR. J. G. DAVIDSON, CHAIRMAN OF THE BOARD OF CARBIDE AND CARBON CHEMICALS COMPANY, right, presents John L. Kennedy, Y-12 electrician, center, the National Safety Council's President's Medal for Kennedy's resuscitation and probably saving the life of Russell F. Moyers, a fellow-employee, after the latter had been knocked unconscious by an electric shock.

President's Medal Is Received By Kennedy For Aid To Moyers; Dr. Davidson Makes Presentation

Carbide Board Chairman Praises Realistic Thinking That Led To Resuscitation Efforts On Unconscious Victim Of Electric Shock

The cool, quick thinking and speedy application of artificial respiration by a Y-12 electrician on a fellow-employee who had been knocked unconscious by an electric shock has resulted in John L. Kennedy, of Electrical Maintenance, being awarded the highest honor tendered an individual for life saving by the National Safety Council. In a brief but impressive ceremony last Thursday morning Kennedy was given the Safety Council's President's Award—with the presentation being made by Dr. J. G. Davidson, Chairman of the Board of Carbide and Carbon Chemicals Company.

Prompt Action Probably Saved Moyers' Life

The feat for which Kennedy was so signally honored occurred at 8:05 o'clock on the morning of May 6 when Kennedy's prompt action probably saved the life of Russell F. Moyers, also of Electrical Maintenance, whose apparently lifeless body was lying on a floor after he had been toppled over by a powerful electric shock.

"Your action represents the highest type of realistic thinking," Dr. Davidson told Kennedy in presenting him the handsome bronze medal and citation from the National Safety Council. "Whereas a normal person might have run for help, you took immediate action. We are proud of you and it gives me great pleasure to award you this President's Medal and the citation."

"You certainly owe him a debt of gratitude," Dr. Davidson smilingly told Moyers, who in turn emphatically agreed with the statement.

Other Carbide Officials Witness Presentation

The presentation ceremony was witnessed by Clark E. Center, Vice President of Carbide for atomic energy operations; Logan B. Emlet, Carbide Manager of Production and former Y-12 Plant Superintendent; Y-12 Plant Superintendent John P. Murray; Y-12 Maintenance Division Superintendent R. A. Walker; Electrical Maintenance Department Superintendent C. B. Newman and others.

Dr. Davidson stated after the presentation that as far as he knew, the award of the President's Medal to Kennedy was the first to any employee in the Atomic Energy Commission program.

Only two or three employees in all of the various Union Carbide and Carbon Corporation Divisions have been awarded the President's Medal.

Medal Awarded For Schafer Method Use

The President's Medal of the National Safety Council is awarded for the saving of a human life from death by suspension of normal breathing by using the Schafer Prone Pressure Method of Resuscitation, according to the citation accompanying the bronze medal. The front of the medal bears symbolic design while the reverse side carries the inscription "awarded to John L. Kennedy for resuscitation of Russell F. Moyers on May 6, 1954."

The symbolic design on the face of the medal has its origin in Greek mythology. The three goddesses of fate—Clotho, who spins the thread of life; Lachesis, who determines its length; and Atropos, who cuts the thread of life—work under the watchful scrutiny of a figure of safety. The figure of safety stays the hand that would cut the thread of life.

Negotiations have been underway for some time to obtain the National Safety Council's recognition of Kennedy's outstanding action. The movement was spurred on May 26, when Y-12 Plant Superintendent Murray sent a letter of congratulation and commendation to Kennedy for his alertness.

Wife Former Y-12 Employee

Kennedy is a veteran Y-12 employee, having come to work on September 24, 1943, more than 11 years ago. His wife, Mrs. Mozelle Kennedy, is a former Y-12er. They have two sons and live at 108 Disston St., Oak Ridge. He is 44 years old.

Moyers has been a Y-12 employee in Electrical Maintenance for three years. He is 47 years old.

After accepting the award from Dr. Davidson, Kennedy said: "This is really nice and I appreciate it more than anything I have even received."

He modestly referred to his action in giving first aid to Moyers as "something anyone trained in first aid would do automatically."

Method Taught In Y-12

The Schafer Prone Method of Resuscitation used by Kennedy in reviving Moyers is taught by the Y-12 Training Department in its first aid instruction. Kennedy took the 15-hour first aid training course offered in Y-12 back in 1949 and a refresher course in 1953. He has been a member of the Electrical Maintenance Department emergency squad as an auxiliary fireman.

On the morning of the incident Moyers and Kennedy had been assigned to check the voltage behind an elevator control panel on the top of Bldg. 9207. The elevator was not working and a Safety Department report said Moyers had rushed up seven flights of stairs to

Continued on Page 3

National Safety Council

This is to Certify that

John L. Kennedy

has been awarded the President's Medal for the saving of human life from death by suspension of normal breathing by the Schafer Prone Pressure Method of Resuscitation.

In Witness Whereof, the President of the National Safety Council by authorization of the Board of Directors has hereunto affixed his signature this 20th day of September, Nineteen hundred and fifty four.

Attest: *R. L. Murray* Secretary *Ned H. Dearborn* President
CITATION Resuscitation of Russell F. Moyers who suffered a severe electric shock on May 6, 1954.

THIS IS THE CITATION ACCOMPANYING THE NATIONAL SAFETY Council's President's Medal presented last week to John L. Kennedy.



THIS PICTURE SHOWS THE FACE and reverse sides of the President's Medal of the National Safety Council.

Y-12 Chest Campaign Hits 125 Per Cent With \$11,229

Not content with merely setting a new record for speed in meeting and exceeding their assigned goal for the 1954 Oak Ridge Community Chest fund-raising campaign, Y-12ers apparently also are headed for a new Oak Ridge record of quota percentage raised.

As of last Friday afternoon, Y-12ers had poured a total of \$11,229.11 into the Community Chest coffers. With the plant quota for the year being \$9,000, the Y-12 action means that the response was 125 per cent of the assigned goal. **\$2,193.01 Raised Last Week**

That supersonic, less than one day push that set a new Oak Ridge mark for Y-12ers, resulted in

\$9,036.10 being turned over to Chest officials on the day after the campaign opened on Thursday, October 18. During last week an additional \$2,193.01 dropped into the till to bring the total still higher.

The previous high mark for the plant was last year, when Y-12ers gave \$10,693.78 to the Chest on a quota of \$9,000, the contributions representing 119 per cent of the goal. However, there are several hundred more employees in the plant this year than at the same time last year.

Five Divisions Top Quota

Five divisions in the plant ex-

Continued on Page 4

SAFETY SCOREBOARD

The Y-12 Plant Has Operated

26 Days Or
835,250 Hours
(Unofficial Estimate)

Without A Lost Time
Accident

Through October 24

The Bulletin

Published Weekly By And For
Y-12 Employees Of
CARBIDE AND CARBON
CHEMICALS COMPANY
A Division Of
Union Carbide And Carbon
Corporation
Post Office Box Y
Oak Ridge Tenn.
GEORGE W. DOBBS . . . Editor

OFFICE
Bldg. 3704-2 Room 205
Telephone 7753



HALLOWEEN PARTIES CAN BE FUN
AND MANY PRIZES MAY BE WON
BUT THROUGH ONE CARELESS SAD MISTAKE
COULD BE YOUR NIGHTMARE WHILE AWAKE.
MAC AND DAD

Halloween Safety Is Urged; "Trick" Custom Fairly New

The night for the goblins to howl and the ghosts to shriek—Halloween, that is, rolls around again Saturday night.

Controlled fun can provide plenty of entertainment of youngsters and those not so young who like to observe the ancient holiday. Most Halloween parties and pranks are harmless and free from dangers—but Y-12ers and their folks are urged to be careful to avoid open fires that might ignite flimsy costumes or decorations and other hazards that might provoke falls or other accidents.



The children's "trick or treat" custom on Halloween dates back to 17th Century Ireland, when peasants sought at the homes of the wealthy for luxuries for a feast. The idea of a householder forestalling a prankish "trick" by coming across with a treat of candy or cookies, however, is strictly modern.

The goings-on of the last evening in October originally were to mark the end of summer. However, all sorts of weird and mystic rituals concerning witches and such got mixed into the Druidic show. Spurring the pagan connotations, the early Christians adopted both the "een" and the day that followed—All Hallows, or All Saints Day.

APPETIZING ENTRIES ON SPECIAL LUNCHESES AT Y-12 CAFETERIA

Patrons of the 50-cent Special Lunches at the Y-12 Cafeteria tomorrow, Thursday, October 28, and next Tuesday, November 2, are in for real treats. The main dish for tomorrow will be chopped sirloin steak with mushroom sauce while on next Tuesday ham loaf with pineapple sauce will be served. The Special Lunches also include a vegetable, choice of salad or dessert and rolls and butter.



Theme song from that super-duper, spectacular production "Goldilocks and the Three Beers": "Hey There — you with the bleary eyes."

Oh well, maybe a night out is good for some of the young squirts—so take heed to what the reporters for The Bulletin have to say from the length and breadth of the big premises.

ALLOY

Father of the Week around these parts is W. W. Gilbert, of Beta Two . . . That department also hands out a welcome to newcomer Barbara Bond DeMarcus . . . J. B. Wright is vacationing, but, he says, doing nothing special . . . L. E. Taylor is doing a bit of squirrel hunting and fishing (yes, it says that right on the paper) around the countryside . . . H. Bridges is vacationing but whereabouts are unknown . . . J. T. Waters vacationed at his West Tennessee home . . . H. G. Thornton went underground at his Harriman home—says he dug a basement . . . Get-well wishes are extended to O. P. Sheller's wife who is in the hospital.

INDUSTRIAL RELATIONS

The Guard Department reports the son of H. F. Bailey, Jesse J. Ballew, was home from the Navy last week. He was stationed in San Diego, Cal., but returned from here to San Francisco . . . Vacationers are W. Q. Monger, R. L. Cross, W. C. Roberts, R. F. Robinette and J. K. Bearden.

The Fire Prevention and Control Department had J. W. Doane and C. R. Wall as vacationers last week.

MAINTENANCE

Jessie Guinn, Planning and Estimating, vacationed last week in Knoxville . . . Edna Tyler went over to Nashville at the same time.

Field Maintenance sends get-well wishes to several sick folks, including E. Bailey, R. S. Manning, D. B. Blackburn and C. J. Green. . . . Vacationers are R. H. Lovin and B. L. Morrell.

Beta Four Maintenance also has some ailing folks and rapid recovery wishes go to "Fuzz" Harris, F. J. Salts, D. H. Wade and H. E. Lisenbee . . . V. R. Hubbard is the proud pop of a son born last week—titled Cecil Dwight and weighing six pounds, 12 ounces . . . B. F. Porter is back from vacation.

Two Electrical Maintenance fathers were happy last week . . . L. F. Kennedy's son was home from service on furlough, as was W. R. Murphy's son, Amos P. Murphy, the latter from the Marine Corps at Parris Island, S. C.

R. W. Cheatwood was touring Florida last week from Beta Two Maintenance . . . H. C. Tunnell is on two-weeks military leave at the Smyrna Air Force Base near Nashville . . . S. W. Owen was a vacationer last week.

Virginia Boswell, of Alpha Five, aided and abetted by Athla Markland, Methods Engineering, and Kay Steed, Manufacturing Office; were among the happy Oak Ridge High School rooters at the Isaac Litton game in Nashville . . . Destination unreported vacationers are T. A. Hickman and M. J. Talley.

Buildings and Grounds and Transportation extend condolences to Jake Seivers, whose mother, Mrs. Mamie Seivers, died recently. . . . Several folks went thataway on vacations, including T. B. Johnston, Dan Zehner, T. Renner, R. B. Dunlap and Zack Humphreys.

MECHANICAL OPERATIONS

Hurricane Hazel's (or maybe it was Gertrude) sideswipe at Flor-

ida halted the fishing activities of M. A. Parrish and W. C. Crawley, General Machine Shop, who dropped in at Daytona Beach, Tampa and St. Petersburg in search of some angling—all in vain. J. L. Lovin was a vacationer last week at Fontana, where hurricanes don't hit . . . O. K. Sergeant spent one day in the Smokies and the rest in Oak Ridge while vacationing . . . J. C. Maples stuck around home in Clinton and R. E. Hester at Oliver Springs . . . H. J. Powell visited a daughter in Burlington, N. C., and K. Patrick was silent on vacation plans . . . Get-well wishes go to C. O. Matheny and R. L. Hopson.

MANUFACTURING OFFICE

Jean Gasaway, Technical Information, had her parents from Oneida way as visitors last week—they are Mr. and Mrs. Walter Douglas . . . Lennis McCarthy and her husband visited his mother in Rome, Ga., last week end . . . Pauline Barnhill and her husband visited in Chattanooga last week end.

T. A. Williams and Barbara Shuler, of the Cashier and Travel Office, were among the opera audience recently in Knoxville—real opera, too, not that Gran' Ole stuff.

Jimmy Turner was gleaming like some of that shiny equipment he handles in the Tool Department—natch—he is the father of a bouncing, new son, James Jackson Turner, Jr., born October 15—the mother is Lib Daugherty, of Medical.

Kingston and points in Kentucky were visited by L. H. Guettner, Stores Department vacationer.

Wanda Patton, Receiving and Shipping, is resting at her LaFollette home this week.

Jack Garland, Stores Inventory Control, has his son, Tommy, home on leave from the Air Force in Texas—Tommy is going from here to Camp Kilmer, N. J., for overseas duty in Europe.

Evelyn Kite, SF Control, vacationed at home in Knoxville last week.

Scuttlebutt from the environs of Y-12—Property Sales . . . Stella Gamma is at home nursing a virus infection . . . The C. C. "Doc" Miller long-awaited ground breaking ceremonies for his new domicile that he is expecting to be the showplace of Oliver Springs finally were held—Doc is away for a couple of weeks to supervise the job and to persuade the mayor of Oliver Springs to lay the cornerstone . . . Charley "Carp Hole" Butler, unparalleled piscator, brings more stories of his prowess—latest being four arm-length bass—but nobody sees the proof. . . . (Ed's Note—Looks like they are making "Carp Hole" live hard out there) . . . Billy Marie Rather is reported slenderizing preparatory to the return of her spouse from foreign shores chores for Uncle Sam sometime in December—The department is happy with Kimblin over his recovery from an eyeball bruise . . . Seems as how Hicks met another E. Tennessee hoss trader and when the hemming and hawing was over Hicks owned a good coon dawg for which he had given a good mule and set of harness . . . It's heard around Elza that Hudson bought a lot near Lake City, built a house and christened it "Brush Pile" . . . R. V. Brackney spent the week end in Birmingham enjoying a convention at the Tutweiler Hotel. (Ah, those conventions).

TECHNICAL

Thelma (she likes to be called T. I.) Knisely, Production Assay, didn't have such a spry and quick walk as usual one morning last week while walking down the hill

HEADQUARTERS THIRD ARMY

IN RECOGNITION OF FAITHFUL AND COOPERATIVE SPIRIT IN THE RELEASE OF EMPLOYEES FOR PERFORMANCE OF MILITARY DUTY, THE COMMANDING GENERAL AWARDS

TO VICE PRESIDENT, CARBIDE & CARBON CHEMICALS CORP., P. O. BOX P, OAK RIDGE, TENN.

this Certificate of Appreciation

Many of our citizens, veterans and non-veterans alike, are members of the Army Reserve. They assume certain obligations to participate in summer field training and other tours of active duty for training, which require their absence from civilian occupations for brief periods.

It is gratifying to note that your firm is wholeheartedly supporting this reserve program of our Armed Forces, and authorizing military leaves of absence for its employees so that they can participate in such training.

The Army Commander has asked that I convey his personal thanks to you and your company for the invaluable contribution you are making to the defense of our country. Your continued interest will assist materially in strengthening the reserve components of the Army and thus help to maintain our national security.

27 September 1954
Date
Chief, Military District
of Tennessee

AN AWARD FROM THE UNITED STATES THIRD ARMY, ABOVE, RECENTLY WAS PRESENTED TO CLARK E. CENTER, VICE PRESIDENT OF CARBIDE AND CARBON CHEMICALS COMPANY, IN APPRECIATION OF COOPERATION OF THE COMPANY IN RELEASING EMPLOYEES FOR MILITARY SERVICE.



BOW-BENDER

Announcement of the engagement and forthcoming marriage of Miss Ethel Bow, of the Y-12 Product Processing Department, to Meyer Bender, a former Oak Ridge National Laboratory employee, has been announced by parents of the bride-elect, Mr. and Mrs. Walter Bow, of Crossville, Tenn. Bender is the son of Walter Bender and the late Mrs. Bender, of Richmond, Va.

The wedding will take place at at o'clock Wednesday afternoon, November 10, at Chillicothe, Ohio. The couple will live in Ohio.

—the reason, she was returning after welcoming her new granddaughter, Martha Susan, born to Cpl. and Mrs. Jimmy Knisley at Fort Jackson, S. C., Hospital October 11.

Project Engineering is sorry to lose Mary Whitt Ball, who is leaving to join her husband at Fort Jackson.

Dorsey Bruner is receiving get-well wishes from Civil and Architectural Engineering.

M. B. (Wimpy) Hilton, Mechanical Engineering, vacationed last week in Knoxville.

G. B. Anderson stayed in Oak Ridge while vacationing from Health Physics.

Addie Lynch, L. M. Fitzgerald and D. M. Ledford, of Special Testing, are ailing and receiving get-well wishes . . . W. H. Dodson enjoyed a two-week vacation up to the big city of New York.

Applicant was filling out form for relief and the clerk was filling out the form.

"Do you owe any back house rent?" queried the clerk.

"Naw," replied the applicant with dignity, "we ain't had no back house for years, we has modern inside plumbing."

Hola.

Experts say that a girl with slim and shapely ankles has a good heart—organically, that is.

Appreciation Award Given Clark Center By U.S. Third Army

Clark E. Center, Vice President of Carbide and Carbon Chemicals Company, recently was honored with an award from the Commanding General of the United States Third Army for cooperation given by the Company in releasing employees for military service.

The Certificate of Appreciation issued by the Third Army notes:

"Many of our citizens, veterans and non-veterans alike, are members of the Army Reserve. They assume certain obligations to participate in summer field training and other tours of active duty for training, which require their absence from civilian occupations for brief periods.

"It is gratifying to note that your firm is wholeheartedly supporting this reserve program of our Armed Forces, and authorizing military leaves of absence for its employees so that they can participate in such training.

"The Army Commander . . . conveys his personal thanks to you and your company for the invaluable contribution you are making to the defense of our country. Your continued interest will assist materially in strengthening the reserve components of the Army and thus help to maintain our national security."



The following Y-12 employees were patients last week in the Oak Ridge Hospital:

D. B. Blackburn, Field Maintenance; Elmer Killion, Research Services; B. J. Phillips, Alpha Five; C. H. Wade and F. J. Salts, Beta Four; R. B. Carter, General Machine Shop; J. M. Miller, A Mechanical Operations; C. L. Jones, Electrical Maintenance; M. J. Crouch, Processing and Utilities Operations; Dora Bagwell, Beta Four; W. L. Blackford, B Mechanical Operations; Cleveland Cannon, L. C. Manley and J. M. Lee, Janitors.

O'NEAL AND HINES TO MEET FOR GOLF CROWN

NSC President's Medal Is Received By Kennedy

Continued from Page 1
the roof.

On arriving there, Moyers, apparently exhausted, went behind the main elevator control panel to make a terminal voltage check. As he stooped over to make the check he apparently "blacked out" and fell against the 460-volt A.C. resistor.

Alerted By Burning Hair

Kennedy, nearby, could not see the unconscious Moyers because of a wall between them. However, when he smelled burning hair and flesh he immediately turned off the main power switch and went around to the control panel, where he found Moyers lying on the floor. He pulled Moyers out to the roof about six feet and began to administer artificial respiration.

Winans Addresses UCC Men At Safety Meet

Safety representatives from the various Divisions of Union Carbide and Carbon Corporation heard an address by Mr. W. H. Winans, Vice-President, Industrial Relations, Union Carbide, at a special meeting for UCC delegates on October 18 during the 42nd annual National Safety Congress and Exposition held in Chicago. Mr. Winans spoke about the "UCC Team You Are On."

Vigilance Held Important

He pointed out that UCC means some 69,000 officers, directors, and employees; 110,000 stockholders; and one billion dollars of investment in plants and establishments; plus the friendly enthusiasm to continue as a growth company. It is of vital importance, he pointed out, that all employees be eternally vigilant to remove the hazards that cause accidents. It is far better to look ahead to prevent accidents rather than to look back at injured persons and damaged equipment, and the goal of all UCC personnel should be a continuing reduction of plant accident frequency and severity rates.

UCC delegates also were addressed by Mr. J. J. Duggan on the subject of "Fire Safety Through Research." He told of the research efforts being made to find the means of controlling destructive forces. Mr. Duggan is Superintendent of the Process Safety Department, Carbide and Carbon Chemicals Company, at South Charleston, W. Va.

Tyra Reports On UCC

In his report on UCC accident prevention activities during the past year, Mr. A. F. Tyra, Head of the UCC Safety Division, summarized the importance of assembling delegates for annual Safety Congresses for exchange of ideas and experiences.

The Y-12 plant was represented by Gentry L. Underwood, Plant Protection Superintendent; and H. N. Benninghoff, Relief Shift Supervisor, at the National Safety Congress. Some 200 delegates from UCC attended the Congress.

No Fires Reported In Prevention Week

Not a fire alarm was sounded during observance of Fire Prevention Week, October 3-9, in the Y-12 Plant Area, attesting to the thoroughness of the campaign against fire conducted throughout the plant during that period, according to Fire Chief W. O. Elam. In fact, there has not been a fire in the Y-12 Plant Area since September 25, so careful have been Y-12ers.

During Fire Prevention Week the message of how to avoid and eliminate fire hazards was expounded throughout the plant. A total of 20 special meetings on fire prevention that included talks by Fire Department members and showing of a special fire prevention film or both were held during the week. These special meetings covered departments in all divisions in the plant. One big dem-

onstrating on use of fire extinguishers also was held.

A thorough housecleaning was held during Fire Prevention Week and reports made after the observance showed many instances of improved housekeeping that will tend to promote a year around fire prevention program for the plant.

Two Others Rushed To Help

Hearing Kennedy's calls for help, W. B. Dennis and Ezra Ballard both of Buildings and Grounds, came to his assistance. Dennis was on the ground floor of the building and ran up the stairs to find Kennedy giving Moyers artificial respiration. He called down to Ballard, on the second floor, who called the Fire Department to send its ambulance to the scene. Dennis, meanwhile, aided Kennedy in holding Moyers after the injured man began to regain consciousness.

Moyers was removed from the scene of the accident on a Fire Department stretcher down the stairs and then to the Medical Department, subsequently being transferred to the Oak Ridge Hospital. His injuries consisted of multiple third degree burns of the right side scalp and abrasions of the right forehead, nose and cheek, the right wrist and both knees. He lost 86 days from work as a result of the accident.

ACS Section To Hear Dr. Audrieth Thursday

The East Tennessee Section of the American Chemical Society, including many Y-12 employees as members, will hold its first meeting of the season tomorrow night, Thursday, November 28, to hear a talk by Dr. L. G. Audrieth, professor of inorganic chemistry at the University of Illinois. His subject will be "Non-Aqueous Solvents."

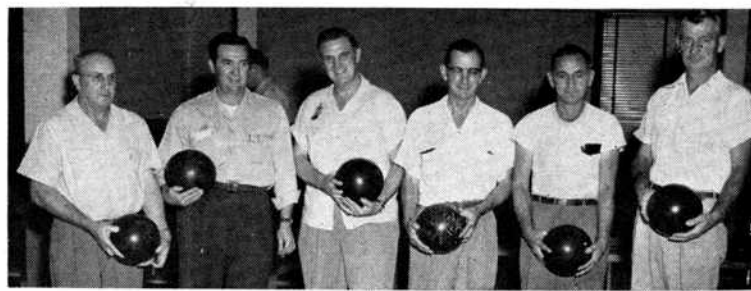
The ACS members will meet at 6:30 p.m. at the Oak Terrace for dinner and then go to the cafeteria of the new Robertsville Junior High School for the business meeting.

Dr. Audrieth is a recognized authority on his subject, having spent years of research on the topic, including study at the University of Rostok under a National Research Fellowship. He received his B.S. degree from Colgate University and his Ph.D. from Cornell University, majoring in inorganic chemistry.

instration on use of fire extinguishers also was held.

A thorough housecleaning was held during Fire Prevention Week and reports made after the observance showed many instances of improved housekeeping that will tend to promote a year around fire prevention program for the plant.

Remember—Only you can
PREVENT FOREST FIRES!



THE BUMPERS BOWLING TEAM OF THE B LEAGUE HAS PROMISED to do a lot of bumping of opponents this season. From left are Ernie Cobble, V. Williams, George Schierbaum, E. Galloway, Avery Kendig and Elmer Green.

Keglerettes Of Y-12 Regain First Place In City League By Blanking Woodland

By sweeping four points from the Woodland Shopping Center lassies last Thursday night, the Y-12 women's varsity keglerettes climbed back into first place in the Oak Ridge Women's City Bowling League. The loop race is one of the hottest in years with only three and one-half points separating the first four teams in the standings.

The Y-12ers' scoring was not too hot, but it was sufficient to down the Woodland team, which is far down in the standings. The Y-12 team scores were 791, 666, 651—2108; to 654, 650, 563—1867 for the opposition.

Juanita Reed led the Y-12 scoring with 176, 157, 124—457 and was closely followed by Ruby O'Kain with 111, 126, 144—451. Other Y-12 scores were Mavis Koons 158, 139, 135—432; Dot Park 143, 128, 119—390; and Betty Whitehorn 133, 116, 129—378.

The Y-12ers now hold first place by one-half point with a 23½-8½ mark, with EAT tagging right behind with a 23-9 record. Then comes the Stinkers with 21-11 and K-25 with 20-12.

Rust Whitewashed By Y-12 Bowlers

The men's varsity bowling team of Y-12 got back on the ball on Monday night, October 18, with a four-point whitewashing of the Rust Engineering keglers. The Y-12ers apparently revived their pin eyes after a couple of mediocre nights and really plastered their foes with scores of 853, 923, 879—2658; to 664, 806, 799—2269 for the opposition.

Frank Zupan and Jack Spears both were "hot" against Rust, the former turning in scores of 164, 200, 211—575; and the latter 202, 211, 160—573. They were followed in Y-12 scoring by Frank Gragg 185, 189, 167—541; Ernie Cobble 155, 170, 172—497; and H. W. Zang 150, 153, 170—473.

10 Years Service

Congratulations to the following Y-12 employees who will complete 10 years of Company Service within the next few days.

Maxine E. Duke, Product Processing, October 30.

Horace R. Floyd, Alpha Five, October 30.

Flossie M. Smith, Laundry, October 30.

Herman A. Maney, General Machine Shop, October 30.

Robert K. Kite, Guard, October 30.

Ozella Ward, Production Analysis, October 31.

Albert B. Campbell, Beta Two, October 31.

Thomas H. Burger, Transportation, October 31.

T. J. Bush, Guard, November 1.

Nazy M. Ritter, Product Processing, November 2.

Doris M. Walton, Medical, November 2.

Dovie R. Searcy, Product Processing, November 2.

Theora A. McGhee, Medical.

Y-12 SPORTS

Winter Pistol Loop Opens Next Week

The Y-12 team in the Oak Ridge Pistol League will open its fall-winter season next Wednesday night, November 3, against the shooters of the Atomic Energy Commission. The match will start at 7 o'clock at the pistol range of the Oak Ridge Sportsmen's Association on the Turnpike west of the city limits.

Capt. M. L. Woodard, of the Y-12 Guard Department, is captain of the Y-12 team for the winter season. Carl Brewster, Medical, who captained the team during the summer season, now is statistical officer for the league.

Captain Woodard has urged any Y-12er interested in trying out for the squad to report for the first match or to communicate with him at Guard Department headquarters, plant telephone 7272, or with the Y-12 Recreation Office, Bldg. 9704-2, telephone 7753. If team candidates do not own a .22 calibre target pistol such as those used in the league, one may be borrowed from team members owning such weapons. Ammunition and targets are furnished.

B League Winners Blank Opposition

All B League teams went on scoring rampages last Thursday night and when the pins were picked up the books showed white-wash victories by all of the victors. Emerging triumphant were the Rippers, All Stars, Bldg. 9211, Has Beens, ADP and the Swingsters. Victims were the Bumpers, Rebels, Wolves, Tigers, Cubs and Wasps, in order named. The Rippers win and the Wasps loss gave the Rippers the league lead.

The Has Beens had a big night on the alleys, sweeping all team scoring honors. They posted 936, 1059, 2629 and 2998 across the board. Jack McLendon helped them along with his 580 scratch series, boosted to 667 with handicap. Al Groppe, Rippers, roared in with a 230 scratch game, nicking 265 with handicap.

League standing follows:

Team	W	L
Rippers	24	8
Wasps	20½	11½
All Stars	20	12
Bldg. 9211	19	13
Has Beens	18	14
ADP	17	15
Tigers	16½	15½
Rebels	15	17
Swingsters	13	19
Cubs	10	22
Bumpers	10	22
Wolves	9	23

Players Of Y-12 Win Seven Flights

Fine Showing Made In All-Carbide Meet

A Y-12 championship in the All-Carbide Golf Tournament was assured last week when Palo O'Neal and Art Hines battled their way to the finals, to be played some time this week. O'Neal beat fellow-Y-12er Carl Dorr by two and one to reach the title round. Hines downed Al Sabo, Oak Ridge National Laboratory, two and one, to win the right to meet O'Neal. Sabo previously had ousted Danny Berrier, of Y-12 in the semi-finals, one up.

Meanwhile other Y-12 golfers pranced to victory in six other flights, which with one previously won, gave the plant players a total of seven, in addition to the Championship Flight.

Al Sawyer beat fellow-Y-12er Clyde Bowles, two up, to cop the Second Flight honors.

In the Fourth Flight Harvey Saylor, Y-12, walloped J. Edgerton, ORNL, two and one, for the title.

The Sixth Flight crown went to C. L. Matthews, Y-12, who beat Harry Smith, K-25, one up.

Wade Roberts, Y-12, trimmed D. W. Cardwell, ORNL, by two and one to come out on top in the 10th Flight.

In the 11th Flight, Y-12er W. C. Collins overwhelmed A. N. Smith, K-25, five and four, for the title.

In the 13th Flight the championship went to Art Stewart, of Y-12, with a three and two win over S. Jacobs, of K-25.

Gentry Underwood, of Y-12, previously had won the Ninth Flight title.

Y-12 has Frank Burchfield in the semi-finals of the First Flight and A. F. Kasey in a similar spot in the Sixth Flight.

Screw Balls Widen Lead In C League

The Screw Balls of the C League of plant bowlers extended their loop lead last week by trouncing the Electrons for three points while the Hot Wires were short circuiting the Rusty Five by the same margin. The C Shift keglers took another three-point triumph from the Glass Arms. The Hornets and Deltas were idle.

Frank Tiller, Hot Wires; and Frank Zupan, Screw Balls; tied for the best scratch game with 201. Tiller also had the best handicap scores of the night with a 246 game and 668 series. Zupan's 569 scratch series was tops. The Screw Balls hogged most of the team honors with a 866 scratch game, boosted to 1048 with handicap, and a 2312 scratch series. The Hot Wires had a 2887 handicap series to lead the pack.

League standing follows:

Team	W	L
Screw Balls	18	6
Rusty Five	14	10
Glass Arms	13	11
Hot Wires	13	11
Hornets	10	10
Electrons	9	15
C Shift	9	15
Deltas	6	10

Seminar Will Hear Talk By Minnesota Man Friday

B. S. Simmons, of the University of Minnesota, will speak at the Oak Ridge Physics Seminar meeting on Friday afternoon of this week, October 29. The session is set for 3:15 o'clock in the auditorium of Bldg. 4500, Oak Ridge National Laboratory. The topic of the discussion will be "The Coulomb Excitation of Neodymium." All Y-12 technical and scientific personnel interested in the subject are invited to attend.

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THIS MADE IT OFFICIAL! AT LEFT STANDING, A. L. GARRETT, CHAIRMAN of the Oak Ridge 1954 Community Chest campaign; congratulates Jack M. Case, Y-12 Community Chest Campaign Committee, right, on Y-12's record-breaking drive that resulted in \$9,036.10 being turned over to Chest officials Friday afternoon, October 15. In center rear is W. V. Hamilton, Carbide coordinator of the campaign. Seated are Mrs. Julia A. Calvert, Oak Ridge Chest secretary; receiving a bundle of cash and pledge cards from Floyd Shook, who audited the Y-12 returns.

Y-12 Chest Campaign Hits 125 Per Cent

**\$11,229.11 Is Raised
In Supersonic Drive**

Continued from Page 1

ceeded their quotas in the 1954 Chest drive, with the Shift Superintendents topping the list with a whopping 438 per cent. The Shift Superintendents office turned over \$228 to the Chest cause.

Results in other divisions follow as to contributions and percentage of quota raised:

Technical, \$1,461.85, 164 per cent.
Maintenance, \$3,698.25, 108 per cent.

Mechanical Operations, \$2,083.25, 103 per cent.

Chemical, \$1,290, 103 per cent.
Alloy, \$1,240, 99 per cent.

Industrial Relations, \$646, 93 per cent.

Manufacturing Office, \$581, 76 per cent.

Although practically all sources have reported on the Chest drive, a few vacationers or ill employees have yet to be heard from. When all returns are in, Y-12 Chest Campaign Chairman Jack M. Case expects the plant and employee participation figures to be even more impressive.

Tool Engineers Will Hear Speakers On Tuesday Night

"Better Alignment for Internal Grinding" will be explained at a meeting of the Oak Ridge-Knoxville Chapter of the American Society of Tool Engineers next Tuesday night. The meeting will be at 7 o'clock at the Parkmor Restaurant on East Magnolia Ave., in Knoxville.

Speakers will be N. A. Leyds, of the Bright Chuck and Grinding Co., and George Richardson, of Noland and Co., Chattanooga. All Y-12 members of the group are urged to attend the session.

Rides Wanted, Offered

Ride Or Three Riders Wanted Or Will Join Car Pool—From vicinity of Highland Ave. and West Outer Drive, Oak Ridge, to North Portal, straight day. C. B. Bridges, plant telephone 7260, home telephone 5-9349, Oak Ridge.

Four Riders Wanted—From vicinity of Norwood, Halls Cross Roads, Powell or Emory Road to East Portal, straight day. W. H. Hunter, home telephone 6-1993, Knoxville.

Ride Wanted—From Holston Drive, Knoxville, to North Portal, straight day. Barbara Mills, plant telephone 7492, home telephone 3-7966, Knoxville.

Riders Wanted—From Burlington section, Knoxville, straight day. Bradley Napier, plant telephone 7-8281, home telephone 5-2091, Knoxville.

Ride Wanted Or Will Join Car Pool—From Pennsylvania and Hillside Aves., Oak Ridge, B Shift. F. H. Smith, plant telephone 7248, home telephone 5-2735, Oak Ridge.

Want To Join Car Pool—From Woodland Area, Oak Ridge, to Central Parking Lot, straight day. L. T. Royer, plant telephone 7563, home telephone 5-5867, Oak Ridge.

Ride Wanted Or Will Join Car Pool—From North Hills section, Knoxville, to Central Parking Lot, D Shift. Charley Catlett, plant telephone 7279, home telephone 4-8957, Knoxville.

Riders Or Drivers Wanted For Car Pool—From Fountain City section to Central Parking Lot or West Portal, R Shift. L. R. Crawford, plant telephone 7135, home telephone 6-5579, Knoxville.

TRANSPORT SYSTEM HUGE

In total mileage, the basic transport system within the continental United States would encircle the earth almost 96 times. It is "long enough," says the Chamber of Commerce of the United States, to provide nine separate routes to the moon.

What Has Been Done And What Is Being Done!

Three Aims Guide Experimental Activities Of 3,000 Scientists In 23 Union Carbide Research And Development Laboratories

Editor's Note: During the past year of keen competition, UCC has been intensifying efforts to keep business as normal as possible. The following is a discussion of what has been done and what is being done in the Corporation research program, based on information obtained from representatives of UCC's five groups.

Men who spearhead research programs of Union Carbide and Carbon Corporation and its five groups report that in the 23 research and development laboratories throughout the Corporation, scientists are intensifying their search into the unknown so that the wheels of production will continue to move efficiently and steadily. To meet the challenge of today's keen competitive economy, they are revitalizing their efforts to discover ways of improving products on today's market and to create new products that will be tomorrow's big sellers.

Research Foundation of UCC

Historically, research at UCC has been considered the foundation that places the Corporation among the nation's leading industries. According to M. G. Dial, President, "The Management of Union Carbide and Carbon Corporation has long realized the vital contribution of research to the growth and prosperity of this Corporation. From the sale of products, discovered or created in our own research laboratories, comes a large part of our present earnings."

Proof of UCC's faith in the power of research is its \$34,000,000 expenditure for that phase of business operations during 1953.

Scientists Have Three Aims

Three aims guide the experimental activities of UCC's 3,000 scientists. The aim of work in some laboratories is to improve products and processes already in existence; in others it is to find new uses for old products; and, in still others, the major aim is to create new products and processes.

Of course, many projects now under way cannot yet be discussed. However, people throughout the country are discussing, in particular, several projects that have recently left our research laboratories to make their contribution to the 1954 industrial market. Linde silicones, a whole new family of products, have large and fascinating possibilities. For example, as water repellents they help eliminate seepage in masonry and make shingles resistant to soiling and streaking; as mold release agents they find wide use in the rubber, metal, and plastics industries; and as sizing agents they improve the wet-strength of glass cloth-plastic laminates, even under the most humid conditions. Silicones for high temperature electric insulation, silicone oils, and silicone rubber also serve hundreds of useful purposes.

Titanium Subject of Research

A subject of research and development for the past five years at a cost of over \$2,000,000 has been titanium, the "new wonder metal." Plans for production of at least 7,500 tons of titanium metal a year by Electromet have been announced. Primary market for titanium metal at the present time is in jet planes and other aircraft applications.

Expected to create a large market, particularly in the electrical and chemical industries, is fluorothene, a plastic of highly unusual qualities. This product represents extensive work over the past five years by the combined research and development departments of Bakelite and Carbide and Carbon Chemicals Companies.

Hydrated Lime Use Increases

To make the best use of all available resources is common



RESEARCH FOR UNION CARBIDE IS GUIDED BY UCC'S RESEARCH Committee, shown above at a recent meeting. From left are Dr. A. B. Kinzel, L. E. Erlandson, Dr. G. O. Curme, Dr. R. W. McNamee, all of the UCC Research Administration; Dr. C. E. Larson, Oak Ridge National Laboratory; Dr. J. F. Eversole, Bakelite; A. R. Lytle, Electromet; Dr. L. I. Dana, Linde; J. J. Murphy, Patent Department; and Dr. L. M. Currie, Chemicals. Absent when picture was made were Dr. George T. Felbeck, Carbide and Carbon Chemicals Company; and Dr. L. M. Currie, National Carbon.

practice among all research workers. Today, however, the people in UCC's laboratories are emphasizing their quest to find additional uses for plentiful raw materials and co-products of manufacturing. As a result, hydrated lime, a co-product of acetylene made from calcium carbide by Linde, is used increasingly in the brick industry; slag from Electromet's furnaces is becoming steadily more effective as an ingredient in fertilizers; and greater quantities of carbon monoxide are being taken from Electromet's furnaces to be used in other operations.

Time becomes an increasingly important consideration in the current period of strong business competition. Because of this, UCC scientists, development engineers, and salesmen work even more closely than before to blend their knowledge toward one single purpose—getting high quality products, developed through years of research, on the market and into the hands of customers even sooner than previously planned. For example, a new series of National Carbon brushes for diesel powered generators and for generators used in high altitude airplanes will hit the market months ahead of the date originally scheduled.

Technical Personnel Increased

Despite the present emphasis on more rapid completion of projects that are almost ready for marketing, management insists that the pattern of long-range basic and applied research must not be interrupted. To help insure this, UCC has increased its technical

personnel devoted to research by about 13 per cent in the past year.

UCC's research programs have made headlines in papers during the past 12 months. In Niagara Falls, N. Y., the Metals Research Laboratories have been greatly expanded and remodeled, and equipped with new scientific apparatus and equipment. Construction on a new chemical engineering building will be started in November. In Tonawanda, N. Y., a new engineering laboratory office building has been added to existing facilities and at South Charleston, W. Va., extensions to a major research center at Carbide and Carbon Chemicals Company, are rapidly coming to completion. Plans are currently under way for building a completely new National Carbon Laboratory near Cleveland.

Kinzel Sees Bright Future

According to Dr. A. B. Kinzel, UCC's Director of Research, the pattern of the Corporation's future research is a bright one. He said, "In all our laboratories scientists are working to provide products and processes that benefit man and industry. For the past 25 years they have averaged one new product a month—and some of these products have had a major effect on everyday living. While enviable, that record is a challenge for our research men. Constantly applying themselves to that task, they will come up with the better products and processes that create new markets, new customers, new sales—and new jobs—for UCC."

Secretaries Are Offered Refresher Course For Test

A refresher course for all secretaries pointing for the examination of Certified Professional Secretary to be held next May is being offered by the University of Tennessee through the Oak Ridge Adult Education Program. The course will cover instruction in accounting, business law and economics with six sections on each subject.

An organizational meeting for the class will be held at 7 o'clock tomorrow night, October 28, in Room 215, Oak Ridge High School. All Y-12 secretaries wishing to take the course are invited to report at this session.

Wives Of Three Y-12ers Win Prizes At Card Party

Mrs. V. C. Hemperly, wife of a Y-12er, won the door prize at the Halloween Party of the Carbide Wives last Wednesday night at the Ridge Recreation Hall. Mrs. Jack [name obscured], another Y-12 wife, took first prize in playing bingo. Mrs.

Testing Group To Discuss Radiation Handling Thursday

The care and handling of radiation will be discussed at a meeting of the Society For Nondestructive Testing set for 8 o'clock tomorrow night, Thursday, October 28. The session will be held in Room A-129, Oak Ridge High School.

The program will be a panel discussion headed by Dr. Robert Ball and W. R. Buher, both of the Oak Ridge Hospital X-Ray and Physical Therapy staff; and Myron Fair, of the Physics Division of the Oak Ridge National Laboratory. They will lead the discussions on instrumentation and measurement and biological affects of radiation. Audience participation will be encouraged to bring out the aspects of the subject as it affects the industrial radiographer.

Earl Smith, also wife of a Y-12 man, took second prize in canasta. First and second bridge prizes went to Mrs. J. M. Holley and Mrs. W. J. Muenzer. Mrs. Rosa Cleveland was the top canasta player.

The hall was attractively decorated in a Halloween style for the affair.